

## / TECHNICAL SHEET

The special LIGHT panel is the result of the collaboration between SAIB and BASF.

The material that composes the inner layer of the panel is obtained by adding to the wood a polyurethane material that reduces its specific weight, maintaining all the technical mechanical and qualitative properties of the traditional panel.

LIGHT is also suitable for melaminization process.

LIGHT panel has been designed to meet the needs of the furniture industry to have lighter, easily transportable furniture reducing assembly problems.

This panel is also available in CARB P2 class.

Certified FSC® Recycled product

Dimensions / WIDTH 207 cm / THICKNESS from 40 to 50 mm

Formaldehyde Emissions*					
CLASS	NORM	METHOD	LIMIT VALUE	COMPARED TEST	LIMIT VALUE
E1	D.M. 10/10/08	EN 717-1	< 0,1 ppm	EN ISO 12460-5	< 8 mg HCHO/100 gr dried
CARB P2	ATCM	ASTM E1333 D 6007	< 0,09 ppm	EN ISO 12460-5	< 3,3 mg HCHO/100 gr dried

Mechanics characteristics of LPB_LIGHT Raw Chipboard					
TRIAL NAME	METHODOLOGICAL RULES	PERFORMANCE RULES	MEASURE UNITS	> 30-40	> 40
Density	EN 323		Kg/m <sup>3</sup>	520 ± 5%	500 ± 5%
Tensile strength perpendicular to the face	EN 319	*	N/mm <sup>2</sup>	0,2	0,2
Surface soundness	EN 311	*	N/mm <sup>2</sup>	0,8	0,8
Bending strength	EN 310	*	N/mm <sup>2</sup>	8,5	7
Modulus of elasticity in bending	EN 310	*	N/mm <sup>2</sup>	1200	1050
Axial withdrawal of screws from the face	EN 320	*	N	700	700
Swelling in thickness after 2 hours	EN 317		% max	16	16

General Requirements for LPB_LIGHT Raw Chipboard				
TECHNICAL CHARACTERISTICS	METHODOLOGICAL RULES	PERFORMANCE RULES	MEASURE UNITS	VALUE OF THE PANEL
Smoothed thickness	EN 324/1	EN 312	mm	± 0,3%
Dimension tolerance	EN 324/1	EN 312	mm	± 5%
Squaring up tolerance	EN 324/2	EN 312	mm	2 mm x metro
Moisture content	EN 322	EN 312	%	9 ± 4
Heat of combustion			Kcal/Kg	4000 - 4200
Reaction to the fire	UNI 9176	UNI 8457 UNI 9174		Classe 3

\* At the current state of European Legislation it is impossible to determine the above parameters because its performance standards are not yet defined.

The values shown in the schedule are by tests of internal laboratory.

Certified Management System



Certificazioni di sostenibilità

